DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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Tectonic Geomorphology and Geology: Upper Ojai Valley - Fillmore

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Plate VIII

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.

Fault Location

(F-1) through (F-15)
As noted in text.

Bibliography

1.) Dibblee, T., unpublished maps. 2.) Shleuter, J., 1976 thesis map. 3.) Cemen, I., 1976, thesis map.

Soil Sample Location

- S-1 Orcutt - 0
- S-2 Orcutt - 1
- S-3 Orcutt - 2
- S-4 Orcutt - 3
- S-5 Timber Cyn-1
- S-6 Timber Cyn-4

Explanation

Quaternary

Holocene

- Qfu/Qtu — Alluvial fan and river terrace gravels either unsampled or stripped of soil.
- Qal — Stream channel alluvium; no soil, $CaCO_3$ present.
- Qf1/Qt1 — No soil horizon development; incipient leaching of $CaCO_3$.
- Qf2/Qt2 — A/C soil developed; $CaCO_3$ leached from A horizon.
- Qf3/Qt3 — Incipient cambic B horizon developing; $CaCO_3$ leached out; weak subangular blocky structure 10YR4/3m matrix color.

Pleistocene

- Qf4/Qt4 — Argillic B horizon developing with few thin clay films; 10YR4/3m matrix color; weak to moderate subangular blocky structure.
- Qf5/Qt5 — Moderately developed argillic B horizon; 10YR4/4m matrix color, many moderately thick clay films; moderate subangular blocky structure.
- Qf6/Qt6 — Strongly developed argillic B horizon; 7.5 YR 4/4m matrix colors; many to continuous thick clay films; strong subangular blocky structure.
- Qf7/Qt7 — Very strongly developed argillic B horizon; 5YR4/4m to 7.5YR4/4m matrix color, thick continuous clay films; strong coarse prismatic structure.
- Qs — Saugus Formation (nonmarine); Sandstone and conglomerate.

Tertiary

Pliocene

- Tsb — Santa Barbara Formation (marine); fossiliferous sandstone.
- Tp — Pico Formation (marine); shale, sandstone, and conglomerate.
- Tsq — Sisquoc Formation (marine); shale and sandstone.

Miocene

- Tm — Monterey Formation (marine); clay shale, siliceous shale, and sandstone.
- Tr — Rincon Formation (marine); shale
- Tv — Vaqueros Formation (marine); sandstone.

Oligocene

- Ts — Sespe Formation (nonmarine), clayey to pebbly sandstone and siltstone.

Eocene

- Tcw — Coldwater Formation (marine); sandstone.
- Tcd — Cozy Dell Formation (marine); shale.
- Tma — Matilija Formation (marine); sandstone.

Contact
solid: well defined and well located
dashed: inferred or projected, less well defined
queried: circumstantial
dotted: concealed

Fault
solid: exposed and well located
dashed: inferred or projected
dotted: concealed
barbs: thrust (barbs on upper plate)
D= down, U= up, relative displacement
arrow: direction and magnitude of dip

Fold
arrow indicates plunge

45 — overturned bed

45 — Strike and dip

Eroded fan deposits on a slope associated with but no longer part of a surface

Qls — Landslide with direction of slip